



4-29-05

EXPRESS MAIL NO. EV335546673US

IFW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Lawrence F. Arnstein et al.
Application No. : 10/799,451
Filed : March 11, 2004
For : BATCH-BASED METHOD AND TOOL FOR GRAPHICAL
MANIPULATION OF WORKFLOWS

Examiner : Ryan F. Pitaro
Art Unit : 2174
Docket No. : 900137.402
Date : April 27, 2005

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

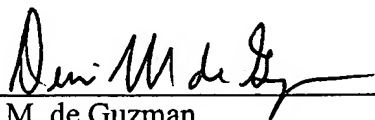
In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Form PTO-1449. Copies of the cited references are enclosed. As to any reference cited, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

A fee of \$180 is submitted in accordance with 37 CFR 1.97(c). The Director is

authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 19-1090.

Respectfully submitted,
Seed Intellectual Property Law Group PLLC



Dennis M. de Guzman
Registration No. 41,702

FXA:lrw

Enclosures:

Postcard

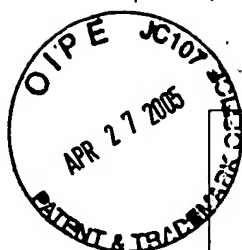
Check

Form PTO-1449

Cited References (14)

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

585773_1



EXPRESS MAIL NO. EV335546673US

**TRANSMITTAL
FORM**(To be used for all correspondence
after initial filing)

Application Number	10/799,451
Filing Date	March 11, 2004
First Named Inventor	Lawrence F. Arnstein
Art Unit	2174
Examiner Name	Ryan F. Pitaro
Attorney Docket No.	900137.402

ENCLOSURES (check all that apply)

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to TC |
| <input checked="" type="checkbox"/> Fee Attached | <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Response | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to TC (<i>Appeal Notice, Brief, Reply Brief</i>) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address | <input checked="" type="checkbox"/> Return Receipt Postcard |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Declaration | <input type="checkbox"/> Other Enclosure(s) (<i>please identify below</i>): |
| <input checked="" type="checkbox"/> Information Disclosure Statement; Form PTO-1449 | <input type="checkbox"/> Statement under 37 CFR 3.73(b) | _____ |
| <input checked="" type="checkbox"/> Cited References | <input type="checkbox"/> Terminal Disclaimer | _____ |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> Request for Refund | _____ |
| <input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53 | <input type="checkbox"/> CD, Number of CD(s) _____ | _____ |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | <input type="checkbox"/> Landscape Table on CD | _____ |

Remarks**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

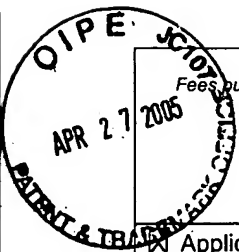
Firm Name	Seed Intellectual Property Law Group PLLC	Customer Number	00500
Signature			
Printed Name	Dennis M. de Guzman		
Date	April 27, 2005	Reg. No.	41,702

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature		
Typed or printed name		Date:

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL for FY 2005

Complete if Known

Application Number	10/799,451
Filing Date	March 11, 2004
First Named Inventor	Lawrence F. Amstein
Examiner Name	Ryan F. Pitaro
Art Unit	2174
Attorney Docket No.	900137.402

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**180**

METHOD OF PAYMENT (check all that apply)

- ☒ Check ☐ Credit Card ☐ Money Order ☐ Other (please identify): _____
- ☒ Deposit Account Deposit Account Number: 19-1090 Deposit Account Name: Seed IP Law Group PLLC
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**
- ☐ Charge any additional fee(s) or underpayments ☒ Charge any underpayments or credit any overpayments of fee(s) under 37 CFR 1.16 and 1.17

Warning: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
_____ -20 or HP = _____	X _____	= _____	_____	Fee (\$)
HP = highest number of total claims paid for, if greater than 20				Fee Paid (\$)

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
_____ -3 or HP = _____	X _____	= _____	_____

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)) the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

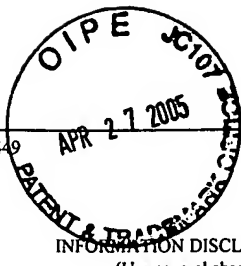
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ -100 = _____	/50 = _____	(round up to a whole number) x _____	_____	_____

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	_____
Other (e.g., late filing surcharge): <u>Submission of an Information Disclosure Statement</u>	180

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	41,702	Telephone	206-622-4900
Name (Print/Type)	Dennis M. de Guzman	Date	April 27, 2005		



EXPRESS MAIL NO. EV335546673US

Sheet 1 of 2

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
900137.402APPLICATION NO.
10/799,451INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS

Lawrence F. Arnstein et al.

FILING DATE

March 11, 2004

GROUP ART UNIT

2174

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
AB			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Franza, Bob, "Getting Real at CSI," <i>Intel Computing and Communication Continuum</i> , March 2000. URL= http://labscape.cs.washington.edu/AINM.ppt , download date April 26, 2005.
AD	Arnstein, L., "Invisible Computing in the Biology Laboratory," <i>The Sixth Annual Workshop on Frontiers in Distributed Information Systems</i> , June 2000. URL= http://www.cs.washington.edu/homes/larrya/FDIS2K.pdf , download date April 26, 2005.
AE	Slides, <i>Computer Science & Engineering Colloquium</i> , October 10, 2000. URL= http://www.cs.washington.edu/homes/larrya/colloquium.pdf , download date April 26, 2005.
AF	"Convergence at the Extremes: Computational Science Meets Networked Sensors," <i>SuperComputing 2000 Panel</i> , November 10, 2000. URL= http://www.cs.berkeley.edu/~culler/sc2000-extremes-panel/ , download date April 26, 2005.
AG	Arnstein, L., "Labscape: Ubiquitous Computing in the Biology Laboratory," <i>Lab Automation 2001, Session on Emerging Informatics Technologies</i> , January 30, 2001. URL= http://www.cs.washington.edu/homes/larrya/LabAutomation2001.pdf , download date April 26, 2005.
AH	Arnstein, L., et al., "Ubiquitous Computing in the Biology Laboratory," <i>Journal of Lab Automation</i> , 6(1), February 8, 2001. URL= http://www.cs.washington.edu/homes/larrya/jala.pdf , download date April 26, 2005.
AI	Arnstein, L., "Breaking Down Barriers in the Biology Lab," <i>CHI 2001 Workshop Presentation on "Building the Ubiquitous computing User Experience"</i> , April 2, 2001. URL= http://www.cs.washington.edu/homes/larrya/CHIWorkshopSlides.pdf , download date April 26, 2005.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 900137.402	APPLICATION NO. 10/799,451
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Lawrence F. Arnstein et al.	
		FILING DATE March 11, 2004	GROUP ART UNIT 2174

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
BB					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BC	Arnstein, L., "Experiment Capture in the Biology Lab – Disguised as a Lab Assistant for Cell Biologists," <i>Stanford University Human Computer Interaction Seminar</i> , November 1, 2001. URL= http://hci.stanford.edu/cs547/abstracts/01-02/011102-arnstein.html , download date April 26, 2005.
BD	"U. Washington Cell System Initiative," <i>NSF Workshop on Advanced Instrumentation for the New Millenium – Biological Sciences</i> , December 2001. URL= http://labscape.cs.washington.edu/AINM.ppt , download date April 26, 2005.
BE	Stenger, B., "Scientists Need a Smarter Bench," <i>Genome Technology</i> , April 2002, page 62 and one unnumbered page. URL= http://labscape.cs.washington.edu/genometech.pdf , download date April 26, 2005.
BF	Arnstein, L., et al., "Labscape: A Smart Environment for the Cell Biology Laboratory," <i>Pervasive Computing</i> , July-September 2002, pp. 13-21. URL= http://labscape.cs.washington.edu/labscapeIEEE.pdf , download date April 26, 2005.
BG	Arnstein, L., et al., "Systems Support for Ubiquitous Computing: A Case Study of Two Implementations of Labscape," <i>Proceedings of the First International Conference on Pervasive Computing</i> , Springer-Verlag, Germany, 2002. URL= http://labscape.cs.washington.edu/PervasiveFinalV2.pdf , download date April 26, 2005.
BH	"Ballard High Biology Students Test New "Wizard" on the Lab Bench," <i>TREND Newsletter</i> , University of Washington Engineering, August 30, 2002. URL= http://labscape.cs.washington.edu/TrendSum02.pdf , download date April 26, 2005.
BI	Consolvo, S., et al., "User Study Techniques in the Design and Evaluation of a Ubicomp Environment," <i>Proceedings of the Fourth International Conference on Ubiquitous Computing</i> , Springer-Verlag, Germany, September 2002. URL= http://labscape.cs.washington.edu/ubicomp02.pdf , download date April 26, 2005.

EXAMINER	DATE CONSIDERED
----------	-----------------

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).